



Centers for Medicare & Medicaid Services

Development Applications and Technical Services

Electronic Submission of Medical Documentation (esMD)

HIH Technical Release Changes for July 2020 Release – Preliminary

Version 1.1

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1. Introduction

This Technical Release Changes document provides the interface and technical release changes that have been identified for:

1. The Electronic Submission of Medical Documentation (esMD) Change Requests (CR) that will be developed in the July 2020 release.

esMD Release AR2020.07.0 consists of application changes (esMD CRs 31434, 31436, 31635, 31640, 31654, 31659 and MicroStrategy Reports).

The following documents must be used in conjunction with the Release Summary:

1. Centers for Medicare & Medicaid Services (CMS) *Health Information Handler (HIH) Implementation Guide*.

The audience of this document are implementers, such as architects and developers, responsible for the exchange of supporting/attachment information among healthcare providers, HIHs, and their business associates, such as CMS.

2. Purpose

This document outlines the functional/technical aspects of the following functionalities that will be deployed in the July 2020 release:

1. Provides the high-level structure of possible request/responses/acknowledgments sent to HIHs from esMD;
2. Details of message exchange facilitating the eMDR process:
 - a. Updated Data content and format:
 - i. eMDR (Pre-Pay) and Post-Pay data elements;
 - ii. HOPD Program
 - iii. Recon reports

This document does not address installation and configuration details of the actual implementation.

3. Assumptions

The esMD system complies with industry standards defined by various standards committees. Hence, it is extremely important that esMD participants adhere to the norms with the following assumptions:

1. Medicare providers shall have active signed agreements with their respective HIHs to exchange the electronic transactions via esMD (including Review Contractor (RC) outbound transactions with Protected Health Information (PHI));
2. All transactions use industry-accepted standards, where available, and must have appropriate security to ensure data is transmitted with integrity, confidentiality, and reliability, and with authentication of both the sender and receiver;
3. In general, the HIHs using a CONNECT Gateway must upgrade to CONNECT v4.0 (or higher); earlier versions of CONNECT are not compatible with CONNECT v4.4, i.e., being used by CMS. HIHs may use any CONNECT-compatible software if the esMD requirements are met, e.g., the software must send receipt acknowledgments as required by esMD and described in the *esMD HIH Implementation Guide*. For those HIHs submitting X12 transactions, a CONNECT-compatible X12 Gateway must be used;
4. All transactions initiated by HIHs will comply with the Transport Layer Security (TLS) v1.2 security standard;
5. All transmissions will adhere to the eHealth Exchange, formerly the Nationwide Health Information Network (NwHIN) standard; and
6. Communications between the CMS esMD system and Medicare RCs will be asynchronous.

4. eMDR Pre-Pay Request

The following changes will be developed in the July 2020 release:

1. ‘Analysis Factor’ and ‘Document Codes’ data elements are changed to ‘required’ fields.
2. The Date field ‘Date(s) of Service’ is changed as required under the ‘Claim Header section’.
3. Document code is required field and each document code is 24 characters in length. Length of the ‘Document Codes’ element is 480 that can accommodate (up to) 20 codes.
4. Data formats are updated for Telephone, Telephone EXT, Faxnumber, TypeofBill fields.

Table 1: eMDR Pre-Pay schema

```
<?xml version="1.0" encoding="UTF-8"?>

<xss:schema xmlns:xss="http://www.w3.org/2001/XMLSchema"
  xmlns:tns="http://esmd.ois.cms.hhs.gov/v3/rc/esmd/emdr/prepay"
  targetNamespace="http://esmd.ois.cms.hhs.gov/v3/rc/esmd/emdr/prepay"
  elementFormDefault="qualified"
  attributeFormDefault="unqualified">

  <!-- AR2019.10 CR 31242-->
```

```

<xs:element name="EMDRRequest">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="eMDRTypE">
        <xs:annotation>
          <xs:documentation>PRE-PAY</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="10"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="uniqueLetterId">
        <xs:annotation>
          <xs:documentation>This represent the Identifier assigned by the Sender of the eMDR letter information (SSMs), to identify each eMDR letter record Uniquely. </xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="40"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="letterDate" type="xs:date"/>
      <xs:element name="respondTo">
        <xs:annotation>
          <xs:documentation>RC to whom the ADR response needs to be sent by the Provider</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="organizationName">
              <xs:annotation>
                <xs:documentation>Name of the Organization to which the ADR Response needs to be sent by the Provider.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="60"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```
        </xs:simpleType>
    </xs:element>
    <xs:element name="addressLine1">
        <xs:annotation>
            <xs:documentation>First Address Line of the RC, to which the documentation needs to be sent by the provider</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="55"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="addressLine2" minOccurs="0">
        <xs:annotation>
            <xs:documentation>Second Address Line of the RC, to which the documentation needs to be sent by the provider</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="55"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="city">
        <xs:annotation>
            <xs:documentation>City associated with the RC address, to which the documentation needs to be sent by the provider</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="30"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="state">
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="2"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
```

```
</xs:element>
<xs:element name="zipCode">
    <xs:annotation>
        <xs:documentation>ZIP Code associated with the RC address, to which  
the documentation needs to be sent by the provider    </xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:long">
            <xs:maxInclusive value="9999999999"/>
            <xs:minInclusive value="1"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="telephone" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Information to the provider to contact the RC in  
case of any questions.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:long">
            <xs:maxInclusive value="9999999999"/>
            <xs:minInclusive value="1"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="telephoneExt" minOccurs="0">
    <xs:simpleType>
        <xs:restriction base="xs:long">
            <xs:maxInclusive value="99999"/>
            <xs:minInclusive value="1"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="faxNumber" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Fax number to respond with  
documentation</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:long">
            <xs:maxInclusive value="9999999999"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
```

```

                <xs:minInclusive value="1"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="senderDetails" minOccurs="0">
    <xs:annotation>
        <xs:documentation>information of MAC sending the eMDR</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element name="organizationName">
                <xs:annotation>
                    <xs:documentation>Name of the Organization which is sending the ADR,  

to the Provider.</xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="60"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="addressLine1" minOccurs="0">
                <xs:annotation>
                    <xs:documentation>First Address Line of the MAC, i.e sending the ADR  

letter, to the Provider.</xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:maxLength value="55"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="addressLine2" minOccurs="0">
                <xs:annotation>
                    <xs:documentation>Second Address Line of the MAC, who is sending the  

ADR letter, to the Provider. </xs:documentation>
                </xs:annotation>
                <xs:simpleType>

```

```

        <xs:restriction base="xs:string">
            <xs:maxLength value="55"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="city" minOccurs="0">
    <xs:annotation>
        <xs:documentation>City associated with the MAC address, i.e sending  

the ADR letter, to the Provider. </xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="30"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="state" minOccurs="0">
    <xs:annotation>
        <xs:documentation>State associated with the MAC address, who is  

sending the ADR letter, to the Provider. </xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="2"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="zipCode" minOccurs="0">
    <xs:annotation>
        <xs:documentation>ZIP Code associated with the MAC address, who is  

sending the ADR letter, to the Provider. </xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:long">
            <xs:maxInclusive value="9999999999"/>
            <xs:minInclusive value="1"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="telephone" minOccurs="0">
    <xs:annotation>

```

```

                <xs:documentation>Contact Telephone Number of the Sender of the ADR,  

to facilitate Provider enquiry, as need arise.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
                <xs:restriction base="xs:long">
                    <xs:maxInclusive value="9999999999"/>
                    <xs:minInclusive value="1"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element name="telephoneExt" minOccurs="0">
            <xs:annotation>
                <xs:documentation>Contact Telephone Number extension of the Sender of  

the ADR, to facilitate Provider enquiry, as need arise</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
                <xs:restriction base="xs:long">
                    <xs:maxInclusive value="99999"/>
                    <xs:minInclusive value="1"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="providerDetails">
    <xs:annotation>
        <xs:documentation>Provider to whom the intended eMDR is to be  

delivered</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element name="firstName" minOccurs="0">
                <xs:annotation>
                    <xs:documentation>First Name of the Billing  

Provider</xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xsmaxLength value="35"/>
                    </xs:restriction>

```

```

        </xs:simpleType>
    </xs:element>
    <xs:element name="middleName" minOccurs="0">
        <xs:annotation>
            <xs:documentation>Middle Name of the Billing
Provider</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="25"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="organizationOrLastName">
        <xs:annotation>
            <xs:documentation>Last Name of the Individual Provider
OR
Name of the Organization</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="60"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="addressLine1">
        <xs:annotation>
            <xs:documentation>First Address Line of the Provider, to whom the ADR
letter is getting sent.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="55"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="addressLine2" minOccurs="0">
        <xs:annotation>
            <xs:documentation>Second Address Line of the Provider, to whom the ADR
letter is getting sent.</xs:documentation>
        </xs:annotation>
    </xs:element>

```

```
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="55"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="city">
        <xs:annotation>
            <xs:documentation>City associated with the Provider address, to whom
the ADR letter is getting sent.    </xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="30"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="state">
        <xs:annotation>
            <xs:documentation>State associated with the Provider address, to whom
the ADR letter is getting sent.    </xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="2"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="zipCode">
        <xs:annotation>
            <xs:documentation>ZIP Code associated with the Provider address, to
whom the ADR letter is getting sent.    </xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction base="xs:long">
                <xs:maxInclusive value="9999999999"/>
                <xs:minInclusive value="1"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
<xs:element name="providerNumberOrPTAN" minOccurs="0">
```

```

<xs:annotation>
    <xs:documentation>Represents the Provider Number
or
Provider Transaction Access Number (PTAN)
</xs:documentation>
</xs:annotation>
<xs:simpleType>
    <xs:restriction base="xs:string">
        <xsmaxLength value="13"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="npi">
    <xs:annotation>
        <xs:documentation>NPI of the eMDR Registered Billing
Provider</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:long">
            <xs:maxInclusive value="99999999999"/>
            <xs:minInclusive value="1"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="faxNumber" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Fax number of the Provider / Provider
Organization</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:long">
            <xs:maxInclusive value="99999999999"/>
            <xs:minInclusive value="1"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="letterDetails">
    <xs:complexType>

```

```

<xs:sequence>
    <xs:element name="respondBy" type="xs:date">
        <xs:annotation>
            <xs:documentation>Date by which the Response to the ADR is expected from the Provider, by the MAC (Due date)</xs:documentation>
        </xs:annotation>
    </xs:element>
    <xs:element name="jurisdiction">
        <xs:annotation>
            <xs:documentation>Represents the Jurisdiction or the Region to the MAC who is sending the letter.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="5"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="programName">
        <xs:annotation>
            <xs:documentation>Indicates the Name of the Program which is sending this ADR letter</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:maxLength value="10"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="claimDetails">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="claimId">
                <xs:annotation>
                    <xs:documentation>The Claim Reference Number in CMS/RC system</xs:documentation>
                </xs:annotation>
                <xs:simpleType>

```

```
        <xs:restriction base="xs:string">
            <xs:maxLength value="23"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="patientControlNumber" minOccurs="0">
    <xs:annotation>
        <xs:documentation>The reference number of the Beneficiary in Provider
system.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="25"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="beneficiaryId">
    <xs:annotation>
        <xs:documentation>Identifier of the Beneficiary who is receiving the
Service</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="12"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="beneficiaryFirstName" minOccurs="0">
    <xs:annotation>
        <xs:documentation>First Name of the Beneficiary </xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="35"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="beneficiaryMiddleName" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Middle Name of the Beneficiary</xs:documentation>
    </xs:annotation>

```

```

<xs:simpleType>
    <xs:restriction base="xs:string">
        <xsmaxLength value="25"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="beneficiaryLastName">
    <xs:annotation>
        <xs:documentation>Last Name of the Beneficiary </xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xsmaxLength value="60"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="typeOfBill" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Represent the Bill Type for Institutional
Claims</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:long">
            <xsmaxLength value="3"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="serviceDateOrDateRange">
    <xs:annotation>
        <xs:documentation>Represents the Date of Service OR Range of Date of
Service on the Claim. (Header Level of the Claim)
Formats:
Service Date:
YYYY-MM-DD
OR
Date Range:
startDate: YYYY-MM-DD
endDate: YYYY-MM-DD</xs:documentation>

```

```

</xs:annotation>
<xs:complexType>
<xs:choice>
<xs:element name="ServiceDate" type="xs:date"/>
<xs:element name="ServiceDateRange" minOccurs="0">
<xs:complexType>
<xs:sequence>
<xs:element name="startDate" type="xs:date"/>
<xs:element name="endDate" type="xs:date"/>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:choice>
</xs:complexType>
</xs:element>
<xs:element name="documentRequestedList">
<xs:complexType>
<xs:sequence>
<xs:element name="documentRequestBlock" maxOccurs="unbounded">
<xs:complexType>
<xs:sequence>
<xs:element name="analysisFactor">
<xs:annotation>
<xs:documentation>Documents are requested by
each line of business based on a particular Analysis factor. Example :- Reason Code , Procedure code
etc.</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="5"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="serviceDateOrDateRange"
minOccurs="0">
<xs:annotation>
<xs:documentation>Represents the Date of
Service OR Range of Date of Service on the Claim. (Header Level of the Claim)
Formats:
Service Date:

```

YYYY-MM-DD

OR

Date Range:

startDate: YYYY-MM-DD
endDate: YYYY-MM-DD</xs:documentation>

type="xs:date" minOccurs="0"/>

minOccurs="0">

type="xs:date"/>

type="xs:date"/>

```
</xs:annotation>
<xs:complexType>
  <xs:choice>
    <xs:element name="ServiceDate"
    <xs:element name="ServiceDateRange"
      <xs:complexType>
        <xs:sequence>
          <xs:element name="startDate"
          <xs:element name="endDate"
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:choice>
      </xs:complexType>
    </xs:element>
    <xs:element name="documentCodes">
      <xs:annotation>
        <xs:documentation>The Identifier representing
```

the Document, which is requested by the MAC

Note: Provision for a maximum of 20 document codes

Can be populated with more than ONE Document Code each with a length of 24characters, upto a maximum of 20.

Example: 321051321032

312053123456654321

123456789012345678

Rules:

1. Each document code when populated, if less than 24 characters, the rest of the positions till the end must be filled with SPACES.

Table 2: eMDR (Pre-Pay) Request Data shows the request data for eMDR Pre-Pay with the updated formats.

NOTE: The data elements in **Bold** reflect the changes for this release.

Table 2: eMDR (Pre-Pay) Request Data

Element	Child Element	Type	Usage	Comments
			R - Required S - Situational O - Optional	
EMDRRequest	eMDRTYPE	string(10)	R	EMDRRequest is a root element. The eMDRTYPE can be PRE-PAY.
uniqueLetterId	NONE	String(40)	R	Example: MCSB01

Element	Child Element	Type	Usage R - Required S - Situational O - Optional	Comments
letterDate	NONE	date	R	Format – YYYY-MM-DD Example: 2019-01-25
respondTo	organizationName	string(60)	R	N/A
respondTo	addressLine1	string(55)	R	N/A
respondTo	addressLine2	string(55)	O	N/A
respondTo	city	string(30)	R	N/A
respondTo	state	string(2)	R	N/A
respondTo	zipCode	numeric(9)	R	Example: 21244 or 212441234
respondTo	telephone	String(10)	O	Changed from number to string Example: 4024024022
respondTo	telephoneExt	String(5)	O	Changed from number to string Example: 4022
respondTo	faxNumber	String(10)	R	Changed from number to string Example: 4024024022
senderDetails	organizationName	string(60)	R	The sender details and child element will only be present if the MAC who is sending the eMDR is different from the RC to whom the ADR Response must be sent by the Provider.
senderDetails	addressLine1	string(55)	O	N/A
senderDetails	addressLine2	string(55)	O	N/A
senderDetails	city	string(30)	O	N/A
senderDetails	state	string(2)	O	N/A

Element	Child Element	Type	Usage R - Required S - Situational O - Optional	Comments
senderDetails	zipCode	numeric(9)	O	Example: 21244 or 212441234
senderDetails	telephone	String(10)	O	Changed from number to string Example: 4024024022
senderDetails	telephoneExt	string(5)	O	Changed from number to string Example: 4022
providerDetails	firstName	string(35)	O	N/A
providerDetails	middleName	string(25)	O	N/A
providerDetails	OrganizationOrlastName	string(60)	R	N/A
providerDetails	addressLine1	string(55)	R	N/A
providerDetails	addressLine2	string(55)	O	N/A
providerDetails	city	string(30)	R	N/A
providerDetails	state	string(2)	R	N/A
providerDetails	zipCode	numeric(9)	R	N/A
providerDetails	providerNumberOrPTAN	string(13)	O	N/A
providerDetails	npi	numeric(10)	R	N/A
providerDetails	faxNumber	string(10)	O	N/A
letterDetails	respondBy	date	R	YYYY-MM-DD
letterDetails	jurisdiction	string(5)	R	Jurisdiction of MAC Example: JD, JL
letterDetails	programName	string(10)	R	Example: Part A, Part B, DME, HHH

Element	Child Element	Type	Usage R - Required S - Situational O - Optional	Comments
claimDetails	claimId	string(23)	R	Format: 1. 13 numeric characters in length; 2. 14 numeric characters in length; 3. 15 numeric characters in length; or 4. 17-23 variable characters in length (can include letters, numbers, dashes and spaces).
claimDetails	patientControlNumber	string(25)	O	N/A
claimDetails	beneficiaryId	string(12)	R	N/A
claimDetails	beneficiaryFirstName	string(35)	O	N/A
claimDetails	beneficiaryMiddleName	string(25)	O	N/A
claimDetails	beneficiaryLastName	string(60)	R	N/A
claimDetails	typeOfBill	String(3)	R	Example: 32 Changed from number to string
claimDetails	serviceDateOrDateRange	N/A	R	The serviceDateOrDateRange contains choice element, i.e., serviceDate and serviceDateRange. In any given situation, either of these two elements will be present.
serviceDateOrDateRange	serviceDate	date	R	Format: YYYY-MM-DD
serviceDateOrDateRange	serviceDateRange	N/A	O	N/A
serviceDateRange	startDate	date	O	Format: YYYY-MM-DD
serviceDateRange	endDate	date	O	Format: YYYY-MM-DD
documentRequestedList	documentRequestBlock	N/A	R	documentRequestBlock (0...*) repeating times.
documentRequestBlock	analysisFactor	string(5)	R	Can contain procedure code with/without modifiers or reason code
documentRequestBlock	serviceDateOrDateRange	N/A	O	The serviceDateOrDateRange contains choice element, i.e., serviceDate and serviceDateRange. In any given situation, either of these two elements will be present.
serviceDateOrDateRange	serviceDate	date	O	Format: YYYY-MM-DD
serviceDateOrDateRange	serviceDateRange	N/A	O	N/A

Element	Child Element	Type	Usage	Comments
			R - Required S - Situational O - Optional	
serviceDateRange	startDate	date	O	Format: YYYY-MM-DD
serviceDateRange	endDate	date	O	Format: YYYY-MM-DD
documentRequestBlock	documentCodes	string(480)	R	Can be populated with more than one Document Code, each separated by a comma, up to a maximum of 20 documentCodes. Example: (321051321032 312053123456654321 123456789012345678)

Table 3: Sample Pre-pay XML shows the sample Pre-Pay XML as per the updated data formats.

Table 3: Sample Pre-pay XML

```
<?xml version="1.0" encoding="utf-8"?>
<ns0:EMDRRequest xmlns:ns0 = "http://esmd.ois.cms.hhs.gov/v3/rc/esmd/emdr/prepay">
    <ns0:eMDRTYPE>PRE-PAY</ns0:eMDRTYPE>
    <ns0:uniqueLetterId>874977157846</ns0:uniqueLetterId>
    <ns0:letterDate>2019-05-04T00:00:00</ns0:letterDate>
    <ns0:respondTo>
        <ns0:organizationName>MAC JL</ns0:organizationName>
        <ns0:addressLine1>7500 Security Blvd</ns0:addressLine1>
        <ns0:city>Baltimore</ns0:city>
        <ns0:state>MD</ns0:state>
        <ns0:zipCode>21244</ns0:zipCode>
        <ns0:telephone>8772672323</ns0:telephone>
        <ns0:telephoneExt>1234</ns0:telephoneExt>
        <ns0:faxNumber>8772672323</ns0:faxNumber>
    </ns0:respondTo>
    <ns0:providerDetails>
        <ns0:firstName>Kevin</ns0:firstName>
        <ns0:organizationOrLastName>McCarthy</ns0:organizationOrLastName>
        <ns0:addressLine1>3410 Lord Baltimore Dr</ns0:addressLine1>
        <ns0:city>Windsor Mill</ns0:city>
        <ns0:state>MD</ns0:state>
    </ns0:providerDetails>
</ns0:EMDRRequest>
```

```
<ns0:zipCode>21244</ns0:zipCode>
<ns0:npi>1111111112</ns0:npi>
<ns0:faxNumber>4432227996</ns0:faxNumber>
</ns0:providerDetails>
<ns0:letterDetails>
    <ns0:respondBy>2020-12-31</ns0:respondBy>
    <ns0:jurisdiction>JL</ns0:jurisdiction>
    <ns0:programName>HHH</ns0:programName>
</ns0:letterDetails>
<ns0:claimDetails>
    <ns0:claimId>1234567891478</ns0:claimId>
    <ns0:patientControlNumber>215123556A</ns0:patientControlNumber>
    <ns0:beneficiaryId>215123556A</ns0:beneficiaryId>
    <ns0:beneficiaryFirstName>Rober</ns0:beneficiaryFirstName>
    <ns0:beneficiaryLastName>Dave</ns0:beneficiaryLastName>
    <ns0:typeOfBill>320</ns0:typeOfBill>
    <ns0:serviceDateOrDateRange>
        <ns0:ServiceDate>2019-02-01</ns0:ServiceDate>
        <ns0:ServiceDateRange>
            <ns0:startDate>2019-02-22</ns0:startDate>
            <ns0:endDate>2019-02-08</ns0:endDate>
        </ns0:ServiceDateRange>
    </ns0:serviceDateOrDateRange>
    <ns0:documentRequestedList>
        <ns0:documentRequestBlock>
            <ns0:analysisFactor>5HH01</ns0:analysisFactor>
            <ns0:documentCodes>321051321032</ns0:documentCodes>
        </ns0:documentRequestBlock>
    </ns0:documentRequestedList>
</ns0:claimDetails>
</ns0:EMDRRequest>
```

5. eMDR Post-Pay Request

1. ‘Analysis Factor’ and ‘Document Codes’ data elements are changed to ‘required’ fields.
2. The Date field ‘Date(s) of Service’ is changed as required under the ‘Claim Header section’.

3. Document code is required field and each document code is 24 characters in length. Length of the ‘Document Codes’ element is 480 that can accommodate (up to) 20 codes.
4. Data formats are updated for Telephone, Telephone EXT, Faxnumber, TypeofBill fields.

Table 4: eMDR Post-Pay Schema shows the updated XSD for the eMDR Post Pay request file.

Table 4: eMDR Post-Pay Schema

```
<?xml version="1.0" encoding="UTF-8"?>

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns:tns="http://esmd.ois.cms.hhs.gov/v3/rc/esmd/emdr/postpay"
  targetNamespace="http://esmd.ois.cms.hhs.gov/v3/rc/esmd/emdr/postpay"
  elementFormDefault="qualified"
  attributeFormDefault="unqualified">

  <xs:element name="EMDRPostPayRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="eMDRTYPE">
          <xs:annotation>
            <xs:documentation>Indicates the kind/type of eMDR</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:enumeration value="POST-PAY"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element name="uniqueLetterId">
          <xs:annotation>
            <xs:documentation>This represent the Identifier assigned by the Sender of the eMDR letter info (Non-MAC RC), to identify the eMDR letter record Uniquely. </xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:minLength value="1"/>
              <xs:maxLength value="40"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

```

        <xs:pattern value="([a-zA-Z0-9]*)"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="letterDate" type="xs:string">
    <xs:annotation>
        <xs:documentation>Date affixed on the ADR letter</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="respondTo">
    <xs:annotation>
        <xs:documentation>RC to whom the ADR response needs to be sent by the
Provider</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element name="organizationName">
                <xs:annotation>
                    <xs:documentation>Name of the Organization to which the ADR Response
needs to be sent by the Provider.</xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:minLength value="1"/>
                        <xs:maxLength value="60"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="addressLine1">
                <xs:annotation>
                    <xs:documentation>First Address Line of the RC, to which the
documentation needs to be sent by the provider </xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:minLength value="1"/>
                        <xs:maxLength value="55"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="addressLine2" minOccurs="0">

```

```
<xs:annotation>
    <xs:documentation>Second Address Line of the RC, to which the
documentation needs to be sent by the provider</xs:documentation>
</xs:annotation>
<xs:simpleType>
    <xs:restriction base="xs:string">
        <xs:maxLength value="55"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="city">
    <xs:annotation>
        <xs:documentation>City associated with the RC address, to which the
documentation needs to be sent by the provider</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="30"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="state">
    <xs:annotation>
        <xs:documentation>State associated with the RC address, to which the
documentation needs to be sent by the provider</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="2"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="zipCode">
    <xs:annotation>
        <xs:documentation>ZIP Code associated with the RC address, to which
the documentation needs to be sent by the provider</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
```

```

                <xs:pattern value="[0-9]{1,9}" />
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="telephone" minOccurs="0">
        <xs:annotation>
            <xs:documentation>Information to the provider to contact the RC in
case of any questions.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction base="xs:long">
                <xs:maxInclusive value="9999999999"/>
                <xs:minInclusive value="1"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="telephoneExt" minOccurs="0">
        <xs:annotation>
            <xs:documentation>Information to the provider to contact the RC in
case of any questions.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:pattern value="[0-9]{1,5}" />
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="faxNumber" minOccurs="0">
        <xs:annotation>
            <xs:documentation>Fax number to respond with
documentation</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction base="xs:long">
                <xs:maxInclusive value="9999999999"/>
                <xs:minInclusive value="1"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
</xs:sequence>
</xs:complexType>

```

```

        </xs:element>
        <xs:element name="senderDetails" minOccurs="0">
            <xs:annotation>
                <xs:documentation>RC who is generating/creating the ADR information package, to be sent to the Provider, electronically.

```

```
        <xs:restriction base="xs:string">
            <xs:maxLength value="55"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="city" minOccurs="0">
    <xs:annotation>
        <xs:documentation>City associated with the RC address, who is sending  
the ADR letter, to the Provider. </xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="30"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="state" minOccurs="0">
    <xs:annotation>
        <xs:documentation>State associated with the RC address, who is sending  
the ADR letter, to the Provider. </xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:maxLength value="2"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="zipCode" minOccurs="0">
    <xs:annotation>
        <xs:documentation>ZIP Code associated with the RC address, who is  
sending the ADR letter, to the Provider. </xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:pattern value="[0-9]{1,9}" />
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="telephone" minOccurs="0">
    <xs:annotation>
```

```

                <xs:documentation>Contact Telephone Number of the Sender of the ADR,  

to facilitate Provider enquiry, as need arise.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
                <xs:restriction base="xs:long">
                    <xs:maxInclusive value="999999999999"/>
                    <xs:minInclusive value="1"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element name="telephoneExt" minOccurs="0">
            <xs:annotation>
                <xs:documentation>Contact Telephone Number extension of the Sender of  

the ADR, to facilitate Provider enquiry, as need arise.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:pattern value="[0-9]{1,5}" />
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="providerDetails">
    <xs:annotation>
        <xs:documentation>Provider to whom the intended eMDR Letter Package is to be  

delivered</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element name="firstName" minOccurs="0">
                <xs:annotation>
                    <xs:documentation>First Name of the Billing  

Provider</xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xsmaxLength value="35"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>

```

```

        </xs:element>
        <xs:element name="middleName" minOccurs="0">
            <xs:annotation>
                <xs:documentation>Middle Name of the Billing
Provider</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:maxLength value="25"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element name="organizationOrLastName">
            <xs:annotation>
                <xs:documentation>Last Name of the Individual Provider
OR
Name of the Organization">
                </xs:documentation>
            </xs:annotation>
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:minLength value="1"/>
                    <xs:maxLength value="60"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element name="addressLine1">
            <xs:annotation>
                <xs:documentation>First Address Line of the Provider, to whom the ADR
letter is getting sent.
                </xs:documentation>
            </xs:annotation>
            <xs:simpleType>
                <xs:restriction base="xs:string">
                    <xs:minLength value="1"/>
                    <xs:maxLength value="55"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element name="addressLine2" minOccurs="0">
            <xs:annotation>

```

```
        <xs:documentation>Second Address Line of the Provider, to whom the ADR  
letter is getting sent.</xs:documentation>  
        </xs:annotation>  
        <xssimpleType>  
            <xs:restriction base="xs:string">  
                <xs:maxLength value="55"/>  
            </xs:restriction>  
        </xssimpleType>  
    </xs:element>  
    <xs:element name="city">  
        <xs:annotation>  
            <xs:documentation>City associated with the Provider address, to whom  
the ADR letter is getting sent.</xs:documentation>  
        </xs:annotation>  
        <xssimpleType>  
            <xs:restriction base="xs:string">  
                <xs:minLength value="1"/>  
                <xs:maxLength value="30"/>  
            </xs:restriction>  
        </xssimpleType>  
    </xs:element>  
    <xs:element name="state">  
        <xs:annotation>  
            <xs:documentation>State associated with the Provider address, to whom  
the ADR letter is getting sent.</xs:documentation>  
        </xs:annotation>  
        <xssimpleType>  
            <xs:restriction base="xs:string">  
                <xs:minLength value="1"/>  
                <xs:maxLength value="2"/>  
            </xs:restriction>  
        </xssimpleType>  
    </xs:element>  
    <xs:element name="zipCode">  
        <xs:annotation>  
            <xs:documentation>ZIP Code associated with the Provider address, to  
whom the ADR letter is getting sent.</xs:documentation>  
        </xs:annotation>  
        <xssimpleType>  
            <xs:restriction base="xs:string">
```

```
        <xs:pattern value="[0-9]{1,9}" />
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="providerNumberOrPTAN" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Represents the Provider Number
```

OR

```
Provider Transaction Access Number (PTAN)"
    <xs:annotation>
        <xs:documentation>
```

Provider Transaction Access Number (PTAN)"

```
    </xs:documentation>
</xs:annotation>
<xs:simpleType>
    <xs:restriction base="xs:string">
        <xs:maxLength value="13"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="npi">
    <xs:annotation>
        <xs:documentation>NPI of the eMDR Registered Billing Provider
```

</xs:annotation>

```
<xs:simpleType>
    <xs:restriction base="xs:long">
        <xs:maxInclusive value="999999999999"/>
        <xs:minInclusive value="1"/>
        <xs:pattern value="\d{10}"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="faxNumber" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Fax number of the Provider / Provider Organization
```

</xs:annotation>

```
<xs:simpleType>
    <xs:restriction base="xs:long">
        <xs:maxInclusive value="999999999999"/>
        <xs:minInclusive value="1"/>
    </xs:restriction>
</xs:simpleType>
```

```

                </xs:element>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
<xs:element name="letterDetails">
    <xs:annotation>
        <xs:documentation>Represent few of the dynamic elements that appears in the ADR
letter
        </xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element name="respondBy" type="xs:string">
                <xs:annotation>
                    <xs:documentation>Date by which the Response to the ADR is expected
from the Provider, by the RC
                    </xs:documentation>
                </xs:annotation>
            </xs:element>
            <xs:element name="jurisdiction">
                <xs:annotation>
                    <xs:documentation>Represents the Jurisdiction or the Region to which
the RC is associated.
                    </xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:minLength value="1"/>
                        <xs:maxLength value="40"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
            <xs:element name="programName">
                <xs:annotation>
                    <xs:documentation>Indicates the Name of the Program which is sending
this ADR letter
                    </xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:minLength value="1"/>

```

```

                <xs:maxLength value="10"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="reviewLevelRecordList">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="reviewLevel" maxOccurs="unbounded">
                <xs:complexType>
                    <xs:sequence>
                        <xs:element name="analysisRecordList">
                            <xs:complexType>
                                <xs:sequence>
                                    <xs:element name="analysisRecord" maxOccurs="100">
                                        <xs:complexType>
                                            <xs:sequence>
                                                <xs:element name="analysisID">
                                                    <xs:annotation>
                                                        <xs:documentation>"System

```

Identifier assigned by the RC, to indicate a specific analysis/project.

(Example: Reference #, Issue #, or Project ID)

(Can Repeat more than once for a given ADR Letter)"

```

                </xs:documentation>
            </xs:annotation>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:minLength value="1"/>
                <xs:maxLength value="40"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
<xs:element name="analysisFactorList"
minOccurs="0">
    <xs:complexType>
        <xs:sequence>

```

```

<xs:element
name="analysisFactor" minOccurs="0" maxOccurs="25">
<xs:annotation>

<xs:documentation>Data attribute used by the RC, to conduct the analysis/project with, OR the basis on
which the analysis began.

(Example: Procedure Code, DRG, etc...)

(Can Repeat upto a limit of 25 for a given Analysis ID)"

</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction>
<xs:maxLength
base="xs:string">
value="30"/>
<xs:maxLength
</xs:restriction>
</xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="documentCodeList">
<xs:complexType>
<xs:sequence>
<xs:element
name="documentCode" maxOccurs="100">
<xs:annotation>
<xs:documentation>Code
to indicate the document to be requested.

(Can Repeat upto a limit of 100 for a given Analysis ID)</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction>
<xs:maxLength
base="xs:string">
value="24"/>
<xs:maxLength
</xs:restriction>
</xs:simpleType>

```

```

                </xs:element>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    <xs:element name="enquiryTextList"
minOccurs="0">

        <xs:complexType>
            <xs:sequence>
                <xs:element name="enquiryText"
minOccurs="0" maxOccurs="4">

                    <xs:simpleType>
                        <xs:restriction
base="xs:string">
                            value="4000"/>
                            <xs:maxLength
minOccurs="0">
                            <xs:restriction>
                                <xs:simpleType>
                                    <xs:restriction
name="claimLevelItemList"
minOccurs="0">
                                        <xs:complexType>
                                            <xs:sequence>
                                                <xs:element
name="claimSetLevel" minOccurs="0" maxOccurs="unbounded">
                                                    <xs:annotation>
                                                        <xs:documentation>Case ID reference for the letter (On some of the ADR letters it is the document #)</xs:documentation>
                                                    </xs:annotation>
                                                </xs:element>
                                            </xs:sequence>
                                        </xs:complexType>
                                    </xs:restriction>
                                </xs:simpleType>
                            </xs:restriction>
                        </xs:simpleType>
                    </xs:restriction>
                </xs:sequence>
            </xs:complexType>
        </xs:element>
    <xs:element name="caseID" minOccurs="0">
        <xs:annotation>
            <xs:documentation>Case ID reference for the letter (On some of the ADR letters it is the document #)</xs:documentation>
        </xs:annotation>
    </xs:element>
</xs:simpleType>

```

```
<xs:restriction base="xs:string">

<xsmaxLength value="35"/>

</xs:restriction>

</xs:simpleType>
</xs:element>
<xs:element

name="claimDetails" maxOccurs="unbounded">

<xs:annotation>

<xs:documentation>"Represents the elements whch are represented at the Clam details.  
Note: Section Could be repeated as many times as needed"
```

```
</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="medicalRecordNumber" minOccurs="0">

<xs:annotation>

<xs:documentation>The reference number of the Beneficiary in Provider system.</xs:documentation>

</xs:annotation>

<xs:simpleType>

<xs:restriction base="xs:string">

<xsmaxLength value="25"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="beneficiaryID">

<xs:annotation>

<xs:documentation>Identifier of the Beneficiary who is receiving the Service</xs:documentation>

</xs:annotation>

<xs:simpleType>

<xs:restriction base="xs:string">

<xs:minLength value="1"/>
```

```
<xs:maxLength value="12"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="beneficiaryFirstName" minOccurs="0">

<xs:annotation>

<xs:documentation>First Name of the Beneficiary who is receiving the Service</xs:documentation>

</xs:annotation>

<xs:simpleType>

<xs:restriction base="xs:string">

<xs:maxLength value="35"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="beneficiaryMiddleName" minOccurs="0">

<xs:annotation>

<xs:documentation>Middle Name of the Beneficiary who is receiving the Service</xs:documentation>

</xs:annotation>

<xs:simpleType>

<xs:restriction base="xs:string">
```

```
<xs:maxLength value="25"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="beneficiaryLastName">

<xs:annotation>

<xs:documentation>Last Name of the Beneficiary who is receiving the Service</xs:documentation>

</xs:annotation>

<xs:simpleType>

<xs:restriction base="xs:string">

<xs:maxLength value="60"/>

<xs:minLength value="1"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="typeOfBill" minOccurs="0">

<xs:annotation>

<xs:documentation>Represent the Bill Type for Institutional Claims</xs:documentation>

</xs:annotation>

</xs:simpleType>
```

```
<xs:restriction base="xs:int">
<xs:maxInclusive value="999"/>
<xs:minInclusive value="1"/>
</xs:restriction>
</xs:simpleType>
</xs:element>

<xs:element name="procedureCodeAndModifiers" minOccurs="0">
<xs:annotation>
<xs:documentation>Procedure Code and/or associated Modifiers associated with the Claim</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="13"/>
</xs:restriction>
</xs:simpleType>
</xs:element>

<xs:element name="startDateOfService" type="xs:string" minOccurs="0">
<xs:annotation>
<xs:documentation>From Date of Service</xs:documentation>
</xs:annotation>
```


Table 5: eMDR (Post-Pay) Request Data provides details of the eMDR request from the RCs/DCs to the HIH via esMD.

NOTE: The data elements in Bold reflect the changes for this release.

Table 5: eMDR (Post-Pay) Request Data

Element	Child Element	Type	Usage R - Required S - Situational O - Optional	Comments
EMDRRequest	eMDRTYPE	string(8)	R	EMDRRequest is a root element. The eMDRTYPE can be POST-PAY.
uniqueLetterId	NONE	String(40)	R	Example: MCSB01
letterDate	NONE	Date	R	Format: YYYY-MM-DD Example: 2019-01-25
respondTo	organizationName	string(60)	R	N/A
respondTo	addressLine1	string(55)	R	N/A
respondTo	addressLine2	string(55)	O	N/A
respondTo	city	string(30)	R	N/A
respondTo	state	string(2)	R	N/A
respondTo	zipCode	numeric(9)	R	Example: 21244 or 212441234
respondTo	telephone	String(10)	O	Changed from number to string
respondTo	telephoneExt	String(5)	O	Changed from number to string
respondTo	faxNumber	String(10)	R	Changed from number to string
senderDetails	organizationName	string(60)	R	The sender details and its child element will be present only if the RC sending the eMDR is different from the RC to whom the ADR Response must be sent by the Provider.
senderDetails	addressLine1	string(55)	O	N/A
senderDetails	addressLine2	string(55)	O	N/A
senderDetails	city	string(30)	O	N/A

Element	Child Element	Type	Usage R - Required S - Situational O - Optional	Comments
senderDetails	state	string(2)	O	N/A
senderDetails	zipCode	numeric(9)	O	Example: 21244 or 212441234
senderDetails	telephone	String(10)	O	Changed from number to string
senderDetails	telephoneExt	String(5)	O	Changed from number to string
providerDetails	firstName	string(35)	O	N/A
providerDetails	middleName	string(25)	O	N/A
providerDetails	OrganizationOrLastName	string(60)	R	N/A
providerDetails	addressLine1	string(55)	R	N/A
providerDetails	addressLine2	string(55)	O	N/A
providerDetails	city	string(30)	R	N/A
providerDetails	state	string(2)	R	N/A
providerDetails	zipCode	numeric(9)	R	N/A
providerDetails	providerNumberOrPTAN	string(13)	O	N/A
providerDetails	npi	numeric(10)	R	N/A
providerDetails	faxNumber	string(10)	O	N/A
letterDetails	respondBy	Date	R	YYYY-MM-DD
letterDetails	jurisdiction	string(40)	R	Examples: QIO Area 1 RAC Region 1 UPIC Mid-Western
letterDetails	programName	string(10)	R	Example: Part A, Part B, DME, HHH
reviewLevelReco rdList	reviewLevel	NA	R	reviewLevel (1...*) repeating times.
reviewLevel	analysisRecordList	N/A	R	N/A

Element	Child Element	Type	Usage R - Required S - Situational O - Optional	Comments
analysisRecordList	analysisRecord	N/A	R	analysisRecord (1...100) repeating times.
analysisRecord	analysisID	string(40)	R	Can contain special Characters ('Hyphen') Example: Reference #, Issue #, or Project ID
analysisRecord	analysisFactorList	N/A	O	N/A
analysisFactorList	analysisFactor	string(30)	O	analysisFactor (0...25) repeating times. Example: 100001 800001
analysisRecord	documentCodeList	N/A	R	N/A
documentCodeList	documentCode	string(24)	R	documentCode (0...100) repeating times. Updated to Required from Optional Example: 000001800001700003900001
analysisRecord	enquiryTextList	N/A	O	N/A
enquiryTextList	enquiryText	String(4000)	O	enquiryText(0...4) repeating times.
analysisRecord	claimLevelItemList	N/A	O	N/A
claimLevelItemList	claimSetLevel	N/A	O	claimSetLevel(0...*) repeating times.
claimSetLevel	caseID	string(35)	O	claimSetLevel (0...*) repeating times.
claimSetLevel	claimDetails	N/A	R	claimDetails (1...*) repeating times.
claimDetails	claimID	string(23)	R	N/A
claimDetails	medicalRecordNumber	string(25)	O	N/A
claimDetails	beneficiaryID	string(12)	R	N/A
claimDetails	beneficiaryFirstName	string(35)	O	N/A
claimDetails	beneficiaryMiddleName	string(25)	O	N/A
claimDetails	beneficiaryLastName	string(60)	R	N/A
claimDetails	typeOfBill	String(3)	O	Changed from number to string

Element	Child Element	Type	Usage R - Required S - Situational O - Optional	Comments
claimDetails	procedureCodeAndModifiers	string(13)	O	Can contain procedure code with/without modifiers
claimDetails	startDateOfService	Date	O	startDateOfService Format: YYYY-MM-DD
claimDetails	endDateOfService	Date	O	endDateOfService Format: YYYY-MM-DD

Table 6: Sample eMDR Post Pay XML shows the sample eMDR Post Pay XML file based on the updated data formats.

Table 6: Sample eMDR Post Pay XML

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<EMDRPostPayRequest xmlns="http://esmd.ois.cms.hhs.gov/v3/rc/esmd/emdr/postpay">
    <eMDRTyp>POST-PAY</eMDRTyp>
    <uniqueLetterId>uniqueTest123</uniqueLetterId>
    <letterDate>03/20/2020</letterDate>
    <respondTo>
        <organizationName>TestRC</organizationName>
        <addressLine1>PO Box 20006</addressLine1>
        <addressLine2>add2 dummy</addressLine2>
        <city>Nashville</city>
        <state>TN</state>
        <zipCode>37202</zipCode>
        <telephone>4123456789</telephone>
        <telephoneExt>12345</telephoneExt>
        <faxNumber>4102345678</faxNumber>
    </respondTo>
    <senderDetails>
        <organizationName>RC1</organizationName>
        <addressLine1>PO Box 20006</addressLine1>
        <addressLine2>add2 dummy</addressLine2>
        <city>Nashville</city>
        <state>TN</state>
        <zipCode>37202</zipCode>
    </senderDetails>
</EMDRPostPayRequest>
```

```
<providerDetails>
    <firstName>John</firstName>
    <middleName>Smith</middleName>
    <organizationOrLastName>Kepro</organizationOrLastName>
    <addressLine1>PO Box 20006</addressLine1>
    <addressLine2>add2 dummy</addressLine2>
    <city>Nashville</city>
    <state>TN</state>
    <zipCode>37202</zipCode>
    <providerNumberOrPTAN>pTAN</providerNumberOrPTAN>
    <npi>1234567890</npi>
    <faxNumber>4012345678</faxNumber>
</providerDetails>
<letterDetails>
    <respondBy>03/20/2020</respondBy>
    <jurisdiction>MAC JH</jurisdiction>
    <programName>PostPay</programName>
</letterDetails>
<reviewLevelRecordList>
    <reviewLevel>
        <analysisRecordList>
            <analysisRecord>
                <analysisID>abcd</analysisID>
                <analysisFactorList>
                    <analysisFactor>factor1</analysisFactor>
                    <analysisFactor>factor2</analysisFactor>
                    <analysisFactor>factor3</analysisFactor>
                </analysisFactorList>
                <documentCodeList>
                    <documentCode>code1</documentCode>
                    <documentCode>code2</documentCode>
                </documentCodeList>
                <enquiryTextList>
                    <enquiryText>EnquiryText1</enquiryText>
                    <enquiryText>EnquiryText2</enquiryText>
                </enquiryTextList>
                <claimLevelItemList>
                    <claimSetLevel>
                        <caseID>Case123</caseID>
                        <claimDetails>
                            <claimID>claim123</claimID>

```

```
<medicalRecordNumber>medno</medicalRecordNumber>
<beneficiaryID>BENE</beneficiaryID>
<beneficiaryFirstName>John</beneficiaryFirstName>
<beneficiaryMiddleName>Smith</beneficiaryMiddleName>
<beneficiaryLastName>Kepro</beneficiaryLastName>
<typeOfBill>234</typeOfBill>
<procedureCodeAndModifiers>proc</procedureCodeAndModifiers>
<startDateOfService>03/20/2020</startDateOfService>
<endDateOfService>03/20/2020</endDateOfService>
    </claimDetails>
    </claimSetLevel>
</claimLevelItemList>
</analysisRecord>
</analysisRecordList>
</reviewLevel>
</reviewLevelRecordList>
</EMDRPostPayRequest>
```

6. Hospital Outpatient Department (HOPD) PA program

Currently esMD supports Home Health Pre-Claim Reviews (HH-PCR) with more than one item/service listed per request/response. Similar to HH-PCR (multiple services) program, another PA program, Hospital Outpatient Department (HOPD) based services is being implemented in the XDR format only.

Below are the steps needed for the new PA program:

1. esMD will act as a channel to receive the PA requests from provider/HIHs and to respond back to the provider with decision.
2. PA request may contain a single service or more than one service.
3. For single or multiple service based PA request in XDR format, esMD does not have provision to receive procedure codes in metadata, hence a new Content Type Code is validated to identify the correct PA program.
4. A new content type code (8.5) is needed for XDR HOPD PA Request.
5. esMD will store and perform regular/current set of validations for XDR PA Request.
6. esMD will send XDR HOPD PA request and associated supporting documentation to RC.
7. For XDR PA Decision Responses, esMD will receive information via Share Systems responses, for both Single/Multiple services-based PA requests.

8. Per current design, after successful validation of PA response, message is constructed and sent back to the sender of the PA request (HIH/Provider).

NOTE: Sample files will be included in the final version.

7. Reconciliation Report

This section describes the changes that are planned for Recon reports.

The esMD system will implement the new PA (HOPD) program and the submission will be included in MR101 (Excel) and MR102 (Comma Separated Values (CSV)) reports. See Figure 1: Recon Report for the sample layout of the report.

Figure 1: Recon Report

Reconciliation Report - Report Execution Time 3/5/2020 15:37 PM																						
		[Submission Timestamp] > 2/27/2020 12:00:00 AM																				
		[Submission Update Timestamp] Between 3/4/2020 12:00:00 AM and 3/5/2020 12:00:00 AM																				
Action Handler(s): All		Processor(s): All																				
Calls																						
Transaction ID	Parent Transaction ID	Sender	Sender Type	Recipient	Recipient Type	Unique Letter ID	Submission Date	Content Description	CTC	Transaction Type	Claim ID	Case ID	NPI	Unique ID	Transaction Status	Recipient Pickup Status	Recipient Pickup Time	Recipient/PA Response Time	Number of Documents	Number of Structures	Audit Event/Exception Description	Delivery to EFT
AGQ00000070 3878	NA	PCG-esMD	PCG	NA	NA	NA	3/5/2020 15:35:38 PM	17	DOCUCODE	Document	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIV00000070 3848	NA	PCG-esMD	PCG	NA	NA	NA	2/28/2020 14:58:25 PM	16	NA	Document	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EGM00000070 3871	NA	PCG-esMD	PCG	NA	NA	NA	3/2/2020 9:35:38 AM	16	NA	Document	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EVA00000070 3878	NA	PCG-esMD	PCG	NA	NA	NA	3/5/2020 10:35:56 AM	17	DOCUCODE	Document	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GDS00000070 3842	NA	PCG-esMD	PCG	NA	NA	NA	2/28/2020 5:32:17 PM	16	NA	Document	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GZG00000070 3870	NA	PCG-esMD	PCG	NA	NA	NA	3/5/2020 10:49:45 AM	17	DOCUCODE	Document	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KEB0000007038 487	NA	PCG-esMD	PCG	NA	NA	NA	2/28/2020 14:55:41 PM	16	NA	Document	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KNU000000703 8916	NA	PCG-esMD	PCG	NA	NA	NA	2/29/2020 11:23:28 PM	16	NA	Document	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LWJ000000703 8944	NA	PCG-esMD	PCG	NA	NA	NA	2/28/2020 6:04:53 PM	16	NA	Document	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MUT00000070 3490	NA	PCG-esMD	PCG	NA	NA	NA	2/28/2020 5:04:43 PM	16	NA	Document	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
QTY000000703 8778	NA	PCG-esMD	PCG	NA	NA	NA	3/5/2020 10:17:12 AM	15	NA	Document	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix A: Record of Changes

Table 7: Record of Changes

Version Number	Date	Author/Owner	Description of Change
1.0	03/20/2020	Prashanth Jagga, Viji Muthukrishnan	Initial Delivery for AR2020.07.0 Release
1.1	03/27/2020	Steven Prest	Response to DPSM comments

Appendix B: Acronyms

Table 8: Acronyms

Acronym	Literal Translation
CMS	Centers for Medicare & Medicaid Services
CR	Change Request
eMDR	Electronic Medical Documentation Request
esMD	Electronic Submission of Medical Documentation
HIH	Health Information Handler
HOPD	Hospital Outpatient Department Services
MAC	Medicare Administrative Contractor
NPI	National Provider Identifier
NwHIN	Nationwide Health Information Network
PDF	Portable Document Format
RC	Review Contractor
TRC	Technical Release Changes
XDR	Cross-Enterprise Document Reliable Interchange
XML	Extensible Markup Language
XSD	XML Schema Definition

Appendix C: Referenced Documents

Table 9: Referenced Documents

Document Name	Document Location and/or URL	Issuance Date
HIH Implementation Guide	TBD	TBD